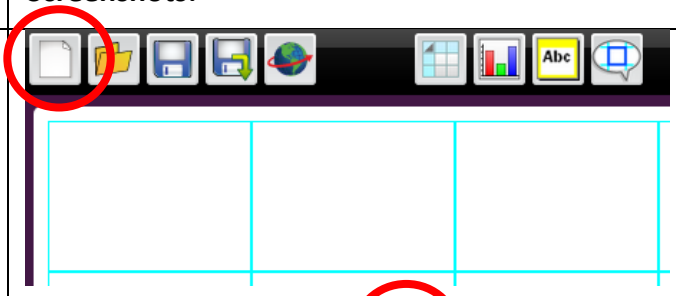
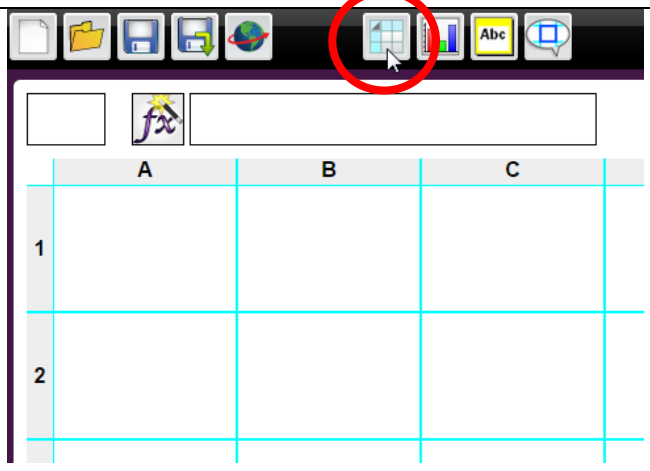
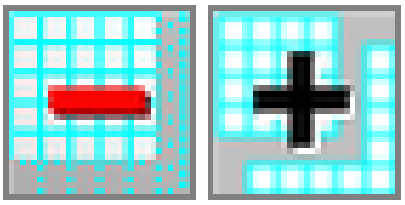
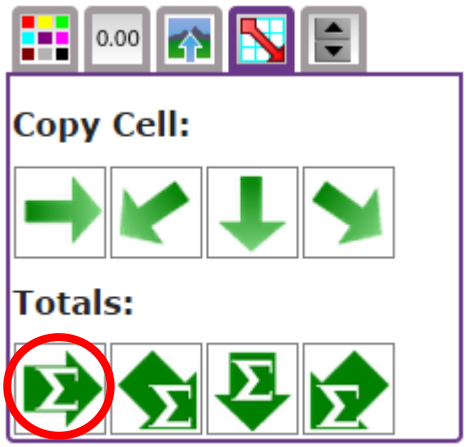
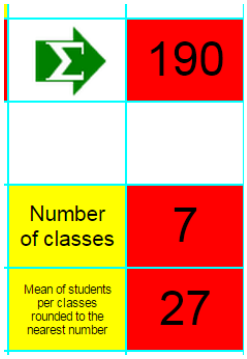
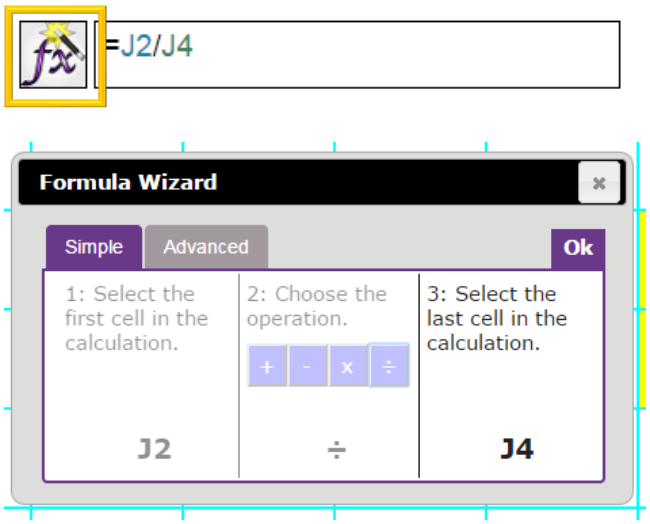
2Calculate – Activity Helpsheet & Lesson Ideas

Phase:	Upper KS2
Lesson:	Mean Class Sizes
Curricular Links	Computing, Numeracy
National Curriculum Link	• Numeracy – Year 5 – Statistics – complete, read and interpret information in tables, including timetables. • Numeracy – Year 6 – Statistics – calculate and interpret the mean as an average. • Computing - KS2 - select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information
Aim:	• I can work out the mean value from a set of data.
Success Criteria:	• I can use 2Calculate to input data into a table. • I can work out the mean value from a set of data in a table.
Lesson Overview	Calculate the means value from a set of data about class sizes or a topic of your choice.

Explanation & ideas	**Screenshots:**
1. Create a blank worksheet by clicking on the new page icon at the top left of the screen	
2. Click on the spreadsheet icon (indicated by the mouse) to change to the advanced spreadsheet format which you will need for this lesson.	

Explanation & ideas	Screenshots:
3. For this lesson, you may need more cells in your spreadsheet. To add extra cells to your spreadsheet, look at the bottom right of the screen and find the 'add and delete cells' icons. Click the add cells icon until the sheet is the size you want it to be.	
4. Input in your data into a table.	
5. Once you have your table, go to the copy & totals tools in the right hand side toolbar and insert a **total** tool.	
6. Use the total tool to add up all the class sizes	
7. Once you have the total number of students, you will create a formula to find out the average (mean) value of students per class in the school. First, create a row that includes the number of classes in the school. This is the cell you will be dividing your total number by.	

Explanation & ideas	Screenshots:
8. Click on the functions button. Follow the steps by selecting your first cell (the total amount of children). The select the operation. In this formula, we will be dividing. For step 3, select the amount of classes you have in your school. Then select ok.	
9. If your answer comes up with several decimal points, you may want to round the number up/down to a full number. You can do this by going to the **Format Cells** tools in the right hand side toolbar, selecting the "set decimal places" box and setting it to 0.